

CLAIMS

What is Claimed is:

1. A method for setting up a fax connection between a calling fax machine controlled by a first communication facility and a called fax machine controlled by a second communication facility over a packet-oriented network connecting the communication facilities, comprising:

terminating sent data of the first fax machine at a first data gateway belonging to the first communication facility;

terminating sent data of the second fax machine at a second data gateway belonging to the second communication facility;

setting up a useful data connection between the first and second data gateways;

setting up a transmission-controlling connection between the first fax machine and the first data gateway;

setting up a transmission-controlling connection between the second fax machine and the second data gateway; and

after setting up the transmission-controlling connection between the second fax machine and the second gateway, transmitting identification information of the sending fax machine from the first data gateway to the second data gateway.

2. The method according to claim 1, wherein the transmission-controlling connection between the second fax machine and second data gateway is set up synchronously with the transmission-controlling connection between the first fax machine and the first data gateway.

3. The method according to claim 1, wherein the identification information identifies the type of fax machine.

4. The method according to claim 1, wherein the identification information contains information about a directory number identifying the fax machine.

5. The method according to claim 1, wherein at least one of the first and second data gateways employs a fax protocol unit for converting connection-controlling useful data.

6. The method according to claim 1, wherein both the first and second data gateways employ a fax protocol unit for converting connection-controlling useful data.

7. The method according to claim 6, wherein
control messages are exchanged between the fax protocol units and the data gateways,
and
the control messages are received and sent by an intermediately connected application interface.

8. The method according to claim 7, wherein the application interface is embodied according to the CAPI standard.

9. The method according to claim 2, wherein the identification information identifies the type of fax machine.

10. The method according to claim 9, wherein the identification information contains information about a directory number identifying the fax machine.

11. The method according to claim 10, wherein the first and second data gateways employ a fax protocol unit for converting connection-controlling useful data.

12. The method according to claim 11, wherein both the first and second data gateways employ a fax protocol unit for converting connection-controlling useful data.

13. The method according to claim 12, wherein
control messages are exchanged between the fax protocol units and the data gateways,
and
the control messages are received and sent by an intermediately connected application interface.